

02323100.TXT
SEQUENCE LISTING

<110> YANG, DAICHANG
HENNEGAN, KEVIN
HUANG, NING

<120> METHODS OF EXPRESSING HETEROLOGOUS PROTEIN IN PLANT
SEEDS USING MONOCOT NON SEED-STORAGE PROTEIN PROMOTERS

<130> 023231-00033

<140> 10/584,225

<141> 2007-07-13

<150> PCT/US03/39107

<151> 2003-12-23

<160> 10

<170> PatentIn Ver. 3.3

<210> 1

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

<400> 1

gggaatattg taccagccgc caacttctga 30

<210> 2

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

<400> 2

ccgctgcagc tccaacatct tatcgcaaca tcc 33

<210> 3

<211> 393

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 3

aaagtcttcg agcgggtgcga gctggcccg acgctcaagc ggctcggcat ggacggctac 60
cggggcatca gcctcgccaa ctggatgtgc ctgcgaagt gggagtcggg ctacaacacc 120
cgcgcaacca actacaacgc cggcgaccgc tccaccgact acggcatctt ccagatcaac 180
tcccgtact ggtgcaacga cggcaagacg cccggggccg tcaacgcctg ccacctctcc 240
tgctcggccc tgctgcaaga caacatcgcc gacgccgtcg cgtgcgcgaa gcgcgtcgtc 300
cgcgaccgcg agggcatccg ggcctgggtg gcctggcgca accgctgcca gaaccgggac 360

gtgcgccagt acgtccaggg ctgcggcgctc tga

393

<210> 4
 <211> 714
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 4
 catgagtaat gtgtgagcat tatgggacca cgaaataaaa agaacatttt gatgagtcgt 60
 gtatcctcga tgagcctcaa aagttctctc accccggata agaaaccctt aagcaatgtg 120
 caaagtttgc attctccact gacataatgc aaaataagat atcatcgatg acatagcaac 180
 tcatgcatca tatcatgcct ctctcaacct attcattcct actcatctac ataagtatct 240
 tcagctaaat gttagaacat aaacccataa gtcacgtttg atgagtatta ggcgtgacac 300
 atgacaaatc acagactcaa gcaagataaa gcaaaatgat gtgtacataa aactccagag 360
 ctatatgtca tattgcaaaa agaggagagc ttataagaca aggcattgact cacaaaaatt 420
 cacttgccct tcgtgtcaaa aagaggaggg ctttacatta tccatgtcat attgcaaaaag 480
 aaagagagaa agaacaacac aatgctgcgt caattataca tatctgtatg tccatcatta 540
 tttcatccacc tttcgtgtac cacacttcat atatcataag agtcacttca cgtctggaca 600
 ttaacaaact ctatcttaac atttagatgc aagagccttt atctcactat aaatgcacga 660
 tgattttctca ttgtttctca caaaaagcgg ccgcttcatt agtcctacaa caac 714

<210> 5
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 5
 atggcatcca taaatcgccc catagttttc ttcacagttt gcttgttcct cttgtgcat 60
 ggctccctag cc 72

<210> 6
 <211> 919
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 6
 aagcttgcac gcctgcagaa tgccagaata agagggggag aagctagtcc tatcaaagac 60
 tacgcttcca gtaacctccg tctcgagta gtagaagaga atagcagata agtatcaaca 120
 catagcataa cccacctggc gatcctctcc ttgtcaccct gtgagagagc gaacaccggg 180
 ttgtatctgg aagttatctg ggtgtgcttt attaagtcgg ctggtacatc atcctcccat 240
 aggaggcctt tgcactgagg cgtgtgtggc ctattttcat ttcaccccag ttattccatc 300
 gaactaaagta gcaacatgta aggagtcagt tttcgagata ccacacaaca ccaattttcc 360
 aacgaaacta atgagaaata aaaaggtgca tcactcattt tcgaccacaa taattatgtc 420
 ttggtattag agttttctct ctctgtcctg ataaacccaa acggaggagt aaagattatc 480
 tatctcaaca tcacatgatt ctaaatacaa aacagaaaac cacggctaga agaggacgac 540
 atctagaggc attgcttttc atgtactaat accttggtta acacattctc taacaaaattg 600
 gtttgatcc ttcttcaaca atttccacac actacaaggc cagttcaca aagcttaaaag 660
 cgtgagcatt ggtacaaaac tagttgtggg ctatctttag aaaagggaac acttagtaca 720

02323100.TXT

cgaaacgtca cctgtctcaa caacttgcac ctttctgtt ggctcgcaaa gtaactttat 780
 ttagtatacc aacttaattt gtgagcatta gccaaagcaa cacacaatgg taggcaaaaa 840
 ccatgtcact aagcaataaa taaaggggag cctcaacca tctattcatc tccaccacca 900
 ccaaaacaac attgaaaac 919

<210> 7
 <211> 87
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 7
 atgaagacct tattctctct agctctcctt gctctttag cgagcacaac cttcgcgcaa 60
 tactcagaag ctggcggctg gtacaat 87

<210> 8
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 8
 Lys Val Phe Glu Arg Cys Glu Leu Ala Arg Thr
 1 5 10

<210> 9
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 9
 Lys Val Phe Glu Arg Glu Leu Ala Arg Thr
 1 5 10

<210> 10
 <211> 130
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<400> 10
 Lys Val Phe Glu Arg Cys Glu Leu Ala Arg Thr Leu Lys Arg Leu Gly
 1 5 10 15
 Met Asp Gly Tyr Arg Gly Ile Ser Leu Ala Asn Trp Met Cys Leu Ala
 20 25 30
 Lys Trp Glu Ser Gly Tyr Asn Thr Arg Ala Thr Asn Tyr Asn Ala Gly
 35 40 45

02323100.TXT

Asp Arg Ser Thr Asp Tyr Gly Ile Phe Gln Ile Asn Ser Arg Tyr Trp
50 55 60
Cys Asn Asp Gly Lys Thr Pro Gly Ala Val Asn Ala Cys His Leu Ser
65 70 75 80
Cys Ser Ala Leu Leu Gln Asp Asn Ile Ala Asp Ala Val Ala Cys Ala
85 90 95
Lys Arg Val Val Arg Asp Pro Gln Gly Ile Arg Ala Trp Val Ala Trp
100 105 110
Arg Asn Arg Cys Gln Asn Arg Asp Val Arg Gln Tyr Val Gln Gly Cys
115 120 125
Gly Val
130